

REDUNDANT PACKET SELECTION AND  
MANIPULATION IN WIRELESS COMMUNICATIONS SYSTEMS

ABSTRACT OF THE DISCLOSURE

A communications system includes a mobile unit that transmits content and a number of base transceiver stations that receive the content from the mobile unit. Each base transceiver station determines a value for a metric associated with communications between the mobile unit and the base transceiver station, generates a graded packet including the value and the content, and communicates the graded packet. The system also includes a router that receives the graded packets, combines different portions of the content from each of two or more of the graded packets to create an improved packet, and communicates the improved packet. The different portions from the graded packets collectively represent the entirety of the content such that the improved packet includes the entirety of the content.